## CLAIMS

I Claim:

1. A Method of isolating a predetermined area of hair-bearing skin and measuring the combined cross section of uncut hair within the area comprising the steps of:

preparing a pre-measured site using a combing element;

isolating a bundle or column of hair from the site;

providing a measuring device with a hair-receiving slot;

placing the bundle or column of hair in the slot;

moving a bottom of the slot against an anvil of the device;

measuring the height or mass of the compressed bundle or column of hair in the slot; and,

comparing the height or mass of hair measured with the height or mass of other hair measurements of a similar bundle or column of hair.

2. The method of claim 1 including the step of peripherally positioning calibrated gummed elements adjacent the site to immobilize the non-isolated hair;

3. The method of claim 1 wherein the similar bundle of hair is from the permanent hair area.

4. The method of claim 1 wherein the measurement of a similar bundle of hair was from a previously isolated bundle of hair from approximately the same of the site.

5. The method of claim 1 including the step of placing a predetermined compression on the anvil.

6. The method of claim 1 wherein the site is approximately 2 cm by 2cm square.

7. The method of claim 1 wherein the slot is approximately 1mm wide by 12mm high.

8. A method for isolating an area of hair-bearing skin and measuring a combined cross section of hair in the area comprising the steps of:

preparing a pre-measured site on the scalp;

isolating a standardized bundle of uncut hair at the site;

compressing the bundle of hair with a measurable load while simultaneously measuring the height of the bundle of hair with a piston and cylinder device.

9.The method of claim 8 including the step of positioning calibrated gummed elements at the periphery of the site;

10. A device for measuring the cross-sectional area of uncut hair from a pre-measured area of hair-bearing skin, said device comprising a body, a plunger extending through said body, a boss at one end of said body, a compression spring in said body for applying a predetermined amount of pressure on one of said plunger or said boss, said plunger extending through a through bore in said boss and having a "J" shaped end defined by a main leg portion extending through said through bore in said boss and a hook leg portion, said two leg portions defining a hair receiving slot therebetween, a wall of said boss between said through bore and an outer surface of said boss being slidably received in the slot upon relative movement between said boss and said "J" shaped end of said plunger, an end surface of said wall defining an anvil against which hair received in said slot is compressed, and measuring means on said body and associated with said plunger for measuring the extent of movement of said plunger.

11. The device of claim 10 wherein said slot is approximately 1mm wide and 12mm high.

12. The device of claim 10 wherein said measuring means include an integrated electronic caliper with a visual display for indicating the height of compressed hair in said slot when said "J" shaped end of said plunger is moved toward said boss with a bundle of hair in said slot.

13. The device of claim 10 wherein said measuring means include a scale, gauge or analog display for indicating the height of compressed hair in said slot when said "J" shaped end of said plunger is moved toward said boss with a bundle of hair in said slot.

14. The device of claim 10 including a knob at the other end of said plunger which can be gripped and rotated by a hand for moving said "J" shaped end toward or away form said boss to open said slot for receiving a bundle of hair and for moving said "J" shaped end toward said boss for compressing the bundle of hair between a bottom of said slot and said anvil.

15. The device of claim 14 wherein said knob is spring loaded.

16. A device for measuring the cross-sectional area of uncut hair from a pre-measured area of hair-bearing skin, said device comprising a body having a slot for receiving a bundle of hair, an anvil positioned adjacent said slot, and a

mechanism for causing relative movement between said body having said slot and said anvil.

17. The device of claim 16 including a device for measuring the amount of movement between said body and said anvil when a bundle of hair is received in said slot and compressed in said slot.

18. The device of claim 16 including a spring associated with one of said body or anvil for placing a predetermined amount of compressive force on a bundle of hair placed in said slot.

19. The device of claim 16 including a return spring for normally holding said anvil in said slot, and said return spring being compressible to permit said anvil to be moved out of said slot to permit a bundle of hair to be received in said slot.